

MEMORANDUM

TO: Modeling Task Force Members

FROM: Mike Ainsworth

SUBJECT: Meeting Summary

MODELING TASK FORCE MEETING

September 25, 2002 - Wednesday
9:30 A.M. - 11:30 A.M.

Southern California
Association of Governments
818 W. 7th Street, 12th Floor
Los Angeles, CA 90017
Room – San Bernardino A&B

Attendees

Chaushie Chu	Ron Taira
Steve Smith	Gerry Bare
Charles Chenu	Mike Labudzia
Tess Sicat	Robert Farley
Dr R. Tadi	Rena Lum
Kathy Hsiao	Keith Killough
Chad Lambirth	Jeff Boberg
Linda Grimes	Gary Kruger
Stewart Chesler	Al Bowser
Taimour Tanavoli	Robert Lund
Luke Cheng	Fred Zohrehvand
Edwin Kampmann	Dale Iwai
Bob Huddy	Deng Bang Lee

Gene Hong

Mike Ainsworth

DRAFT MEETING SUMMARY

1.0 Call to Order

2.0 Public Comment Period – No Comments

3.0 Introductions

4.0 Review and Approve Previous Meeting Summary – Approved

Information Items:

5.1 Regional Travel Demand Model Improvement Project - Keith Killough (KLK Consulting) provided an overview of SCAG's ongoing Model Improvement Program. The presentation provided an overview of the project's Scope of Work, accomplishments to date, and upcoming activities. The purpose of the study is to enhance the model's responsiveness, improve the analysis of emerging issues, and increase utility for regional consistency. Project tasks include: 1) Review the previous model improvement project, 2) Inventory other MPO's modeling programs, 3) Identify future modeling needs, 4) Review/document SCAG's current Regional Model, 5) Develop a Mid-Term Model Improvement Program, 6) Develop a long-range modeling strategy, 7) Assemble a Model Review Panel, 8) Coordinate the activities with the Modeling Task Force, and 9) Prepare a Final Report. Current Status - the interviews with modeling stakeholders have been completed and lessons learned are being compiled. Future opportunities have also been identified. The project is scheduled for completion by the end of April.

Suggestions – 1) Include the experiences from other MPO's regarding tour based modeling, 2) Include non-MPO modeling agencies in the inventory, 3) Create a visitors database to account for seasonality, 4) review and upgrade the model's speed function, and 5) include weekend travel in the Model.

5.2 Parking Cost Model - Jia-Hao Wu (TJKM) provided the group an overview of the Parking Cost Model Development project. The basic requirements for the Parking Cost Model are stated as follows: 1) predict parking prices at the TAZ (traffic analysis zones) level, 2) Be sensitive to socio-economic and land use characteristics, as well as policy variables, 3) Use data inputs that are reasonably available and forecastable by SCAG staff, 4) Be reliable as a forecasting tool and easy to use, 5)

Reflect essential parking price behaviors and 6) Be validated using observable data. TJKM conducted a literature review to identify current best practices in the United States. This review served as theoretical guidance to the model development process to ensure that this model is a state-of-art product given the data availability and SCAG requirements. TJKM used SCAG's socio-economic data, land use data, and the recent SCAG parking facility supply survey to develop an integrated SCAG parking database in both MS Access and the GIS Arc-View. The parking cost model methodology is adaptable to other zonal systems.

- 5.3 Year 2000 Travel Survey – Nustat provided an update on the status of the Travel Survey. Of the 26,000 proposed survey samples – 21,000 have been collected, 16,000 have been delivered to SCAG, 5,500 are being processed, and 4,000 need to be collected. Currently the project is on hold pending a contract extension and adoption of SCAG's budget amendment. The contracting issues are expected to be resolved in December and the project should be completed in early 2003.
- 5.4 Arterial Speed Study - Mike Ainsworth provide the group the Draft Scope of Work for the Arterial Speed Study. SCAG seeks Consultant assistance to develop a methodology to gather speed data for the arterial system within the SCAG Region. In addition, the Contractor will be asked to begin building a comprehensive database of measured speeds for validating the model speeds and tracking speed changes over time. Work tasks include: develop a speed monitoring methodology, create a sampling plan, conduct a pilot survey, process and summarize the speed data, design an on-going speed collection program, and produce a Final Report. Members were asked to provide their comments to Mike Ainsworth by two weeks.
- 5.5 Regional Cordon Survey – Mike Ainsworth provided the group an update on the Regional Cordon Survey. Caltrans and SCAG are currently working with Transpo to revise and adopt a new Scope of Work. The new Scope of Work will account for the additional costs resulting from the project work stoppage.
- 5.6 Year 2000 Model Validation - Deng Bang Lee announced to the group that SCAG is currently working on the Year 2000 Model Validation. Work on the Validation is expected to be completed by December 2002. Results from the Validation will be reported at the next MTF meeting. City of Los Angeles Staff requested a copy of the Year 2000 Network for review.

5.7 Updated Highway Assignment Methodology – Deng Bang Lee presented an overview of SCAG’s methodology for including transit vehicles into the highway assignment. A new multi-class assignment macro was developed for the SCAG Regional Model. Model runs were completed with and without transit vehicles in the highway assignment. The findings of this analysis are as follows: 1) Transit vehicles have a significant impact on the assignment: flow, travel time, VMT and VHT, 2) Transit vehicles have the most impact on the Principal Arterial links and in the Business District, 3) The total increase in the VMT of the Region is about 2.14 %, and 4) The total increase in the VHT of the Region is about 6.52 %.

5.8 Regional Transportation Plan – This item was held over until the next meeting.

6.0 **Open Discussion and Other Business** – Simon Choi announced a Joint Meeting of the FTTF and MTF. The purpose of the Meeting is to investigate the network over-capacity issue. The first Meeting is scheduled for October 23, 2002.

7.0 **Schedule and Agenda for Next Meeting** – The next meeting is scheduled for November 20, 2002.

8.0 Adjournment